

Application No.: 10,707,413
Docket No.: 12322-US-PA

IN THE CLAIMS

Please amend the claims according to the following listing of claims and substitute it for all prior versions and listings of claims in the application.

1. (currently amended) A method of fabricating cell detection chip, comprising:
selecting a plurality of probe molecules, wherein an affinity exists between each of the probe molecules and one of corresponding specific molecules on a cell membrane and wherein the selection of the plurality of probe molecules is based on the different corresponding specific molecules on the cell membrane between normal cells and pathologically changed cells to identify various type of one disease;

modifying the plurality of the probe molecules to facilitate an immobilization of the probe molecules onto a matrix; and

spotting the probe molecules respectively onto respective positions of the matrix.

2. (cancelled)

3. (previously presented) The method as in claim 1, wherein the step of selecting the probe molecules further comprises providing a plurality of quality control probes.

4. (previously presented) The method as in claim 1, wherein the step of selecting the probe molecules further comprises providing a plurality of location indication probes.

5. (previously presented) The method as in claim 1, after the step of modifying the

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probe molecules, further comprising the step of dissolving the probe molecules in a solvent to form a solution of the probe molecules.

6. (original) The method as in claim 1, after the step of spotting the probe molecules, further comprising the step of incubating the matrix to keep the matrix under a wet environment.

7. (original) The method as in claim 6, after the step of incubation, further comprising the steps of:

drying the matrix; and

cleaning the matrix.

8. (original) The method as in claim 7, after the step of cleaning the matrix, further comprising the steps of:

blocking portions of a surface of the matrix not spotted with the probes, wherein a blocking solution is used; and

further cleaning the matrix.

9. (original) The method as in claim 1, wherein a radius of the spotted probe is between 50 and 500 μm .

Claims 10-20 (cancelled)

Claim 21 (new) The method of Claim 1, wherein the identification is based on test

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results selected from the group consisting of major indication, weak reaction and trace reaction.